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* * * * * Welcome to STN International * * * * *

NEWS	1			Web Page for STN Seminar Schedule - N. America
NEWS	2	NOV	21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS	3	NOV	26	MARPAT enhanced with FSORT command
NEWS	4	NOV	26	CHEMSAFE now available on STN Easy
NEWS	5	NOV	26	Two new SET commands increase convenience of STN searching
NEWS	6	DEC	01	ChemPort single article sales feature unavailable
NEWS	7	DEC	12	GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS	8	DEC	17	Fifty-one pharmaceutical ingredients added to PS
NEWS	9	JAN	06	The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS	10	JAN	07	WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS	11	FEB	02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS	12	FEB	02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS	13	FEB	06	Patent sequence location (PSL) data added to USGENE
NEWS	14	FEB	10	COMPENDEX reloaded and enhanced
NEWS	15	FEB	11	WTEXTILES reloaded and enhanced
NEWS	16	FEB	19	New patent-examiner citations in 300,000 CA/CAPLUS patent records provide insights into related prior art
NEWS	17	FEB	19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS	18	FEB	23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS	19	FEB	23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS	20	FEB	23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS	21	FEB	23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS	22	FEB	25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS	23	MAR	06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS	24	MAR	11	EPFULL backfile enhanced with additional full-text applications and grants
NEWS	25	MAR	11	ESBIOBASE reloaded and enhanced
NEWS	26	MAR	20	CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS	27	MAR	23	CA/CAPLUS enhanced with more than 250,000 patent equivalents from China

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 16:34:04 ON 27 MAR 2009

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 16:34:19 ON 27 MAR 2009

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 26 MAR 2009 HIGHEST RN 1127762-87-1

DICTIONARY FILE UPDATES: 26 MAR 2009 HIGHEST RN 1127762-87-1

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> E "TRICHLOROMELAMINE"/CN 25

E1	1	TRICHLOROMANGANATE(1-)/CN
E2	1	TRICHLOROMANGANATE(II) POTASSIUM DIHYDRATE/CN
E3	1 -->	TRICHLOROMELAMINE/CN
E4	1	TRICHLOROMERCURATE(1-)/CN
E5	1	TRICHLOROMERCURATE(II)/CN
E6	1	TRICHLOROMESITYLGERMANE/CN
E7	1	TRICHLOROMESITYLSTANNANE/CN
E8	1	TRICHLOROMESYL CHLORIDE/CN
E9	1	TRICHLOROMETAPHOS/CN

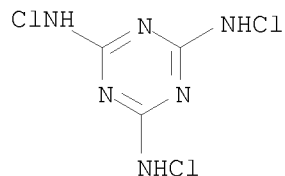
E10	1	TRICHLOROMETAPHOS 3/CN
E11	1	TRICHLOROMETHACRYLAMIDE/CN
E12	1	TRICHLOROMETHANE/CN
E13	1	TRICHLOROMETHANE COMPLEX WITH HYDROGEN CHLORIDE (1:1)/CN
E14	2	TRICHLOROMETHANE ION(1-)/CN
E15	1	TRICHLOROMETHANE RADICAL CATION/CN
E16	1	TRICHLOROMETHANE, ANION RADICAL/CN
E17	1	TRICHLOROMETHANE-D/CN
E18	1	TRICHLOROMETHANE-D1/CN
E19	1	TRICHLOROMETHANE-VINYLDIENE FLUORIDE TELOMER/CN
E20	1	TRICHLOROMETHANEPHOSPHONIC ACID/CN
E21	1	TRICHLOROMETHANESULFENIC ACID ETHYL ESTER/CN
E22	1	TRICHLOROMETHANESULFENIC ACID TERT-BUTYL ESTER/CN
E23	1	TRICHLOROMETHANESULFENYL ACETATE/CN
E24	1	TRICHLOROMETHANESULFENYL BROMIDE/CN
E25	1	TRICHLOROMETHANESULFENYL CHLORIDE/CN

=> S E3

L1 1 TRICHLOROMELAMINE/CN

=> DIS L1 1 SQIDE

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 7673-09-8 REGISTRY
 CN 1,3,5-Triazine-2,4,6-triamine, N2,N4,N6-trichloro- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1,3,5-Triazine-2,4,6-triamine, N,N',N''-trichloro- (9CI)
 CN Melamine, N2,N4,N6-trichloro- (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN N,N',N''-Trichloromelamine
 CN NSC 96963
 CN Trichloromelamine
 MF C3 H3 Cl3 N6
 CI COM
 LC STN Files: AQUIRE, BEILSTEIN*, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, IFICDB, IFIPAT, IFIUDB, MSDS-OHS,
 PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL, USPATOLD
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA Caplus document type: Conference; Journal; Patent; Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES
 (Uses); NORL (No role in record)
 RLD.P Roles for non-specific derivatives from patents: PREP (Preparation)
 RL.NP Roles from non-patents: BIOL (Biological study); OCCU (Occurrence);
 PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses); NORL (No role in record)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

134 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
134 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file medline, caplus, wpids

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

7.88

8.10

FILE 'MEDLINE' ENTERED AT 16:35:00 ON 27 MAR 2009

FILE 'CAPLUS' ENTERED AT 16:35:00 ON 27 MAR 2009

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FILE 'WPIDS' ENTERED AT 16:35:00 ON 27 MAR 2009

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=> s l1

L2 135 L1

=> s l2 and animal(S)hous?

L3 0 L2 AND ANIMAL(S) HOUS?

=> s l2 and animal(S)housing

L4 0 L2 AND ANIMAL(S) HOUSING

=> s l2 and (bedding or litter)

L5 5 L2 AND (BEDDING OR LITTER)

=> d l5 1-5 ibib, abs

L5 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2007:281956 CAPLUS

DOCUMENT NUMBER: 146:315567

TITLE: Antimicrobial solutions and process related thereto

INVENTOR(S): Burwell, Steve; Busch, Fred

PATENT ASSIGNEE(S): Byocoat Enterprises, Inc., USA

SOURCE: PCT Int. Appl., 79pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007030104	A1	20070315	WO 2005-US31563	20050903
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,			

KG, KZ, MD, RU, TJ, TM

AU 2005336108	A1	20070315	AU 2005-336108	20050903
CA 2621459	A1	20070315	CA 2005-2621459	20050903
EP 1931209	A1	20080618	EP 2005-808425	20050903
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
JP 2009506771	T	20090219	JP 2008-528995	20050903
MX 2008003021	A	20080404	MX 2008-3021	20080303
IN 2008DN02778	A	20080725	IN 2008-DN2778	20080403
KR 2008082602	A	20080911	KR 2008-708110	20080403
CN 101316516	A	20081203	CN 2005-80051961	20080428
PRIORITY APPLN. INFO.:			WO 2005-US31563	A 20050903

AB Antimicrobial compns. are formulated for treating poultry and meat to eliminate bacteria and microorganisms harmful to consumers. The compns. include various combinations of an aliphatic heteroaryl salt, an aliphatic benzylalkyl ammonium salt, a dialiph. dialkyl ammonium salt, a tetraalkyl ammonium salt and(or) trichloromelamine. Thus, a solution may contain 7.5% cetylpyridinium chloride, 0.1% alkyl di-Me benzyl ammonium chloride, 0.1% trichloromelamine, 0.1% cetyl tri-Me ammonium chloride, and 92.2% water.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:492180 CAPLUS

DOCUMENT NUMBER: 144:487667

TITLE: Antimicrobial solutions and process related thereto

INVENTOR(S): Burwell, Steve R.; Busch, Fredrick

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 36 pp.
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
US 20060110506	A1	20060525	US 2005-218956	20050903
WO 2004077954	A1	20040916	WO 2004-US6599	20040305
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.:

	US 2003-451678P	P	20030305
	US 2003-507949P	P	20031003
	WO 2004-US6599	A2	20040305

AB Antimicrobial compns. were prepared for treating poultry and meat to substantially eliminate bacteria and microorganism harmful to human. The compns. include various combinations of an aliphatic heteroaryl salt, an aliphatic benzylalkyl ammonium salt, a dialiph. dialkyl ammonium salt, a tetraalkyl ammonium salt and/or trichloromelamine. Thus, the antimicrobial composition contains cetylpyridinium chloride 7.5, alkyl di-Me benzyl ammonium chloride 0.1, trichloromelamine 0.1, cetyl tri-Me ammonium chloride 0.1 and water 92.2 weight%.

L5 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:1292830 CAPLUS

DOCUMENT NUMBER: 144:35595

TITLE: Antimicrobial solutions comprising an aliphatic heteroaryl salt, trichloromelamine and ammonium salts for disinfecting meat and other surfaces.

INVENTOR(S): Burwell, Steve R.; Busch, Fred

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 34 pp., Cont.-in-part of Appl. No. PCT/US04/006599.
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20050271781	A1	20051208	US 2005-181131	20050713
WO 2004077954	A1	20040916	WO 2004-US6599	20040305
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: US 2003-451678P P 20030305
US 2003-507949P P 20031003
WO 2004-US6599 A2 20040305

AB Disclosed are antimicrobial compns. for treating poultry, meat, and other surfaces to substantially eliminate bacteria and microorganism harmful to humans. The compns. include a combination of an aliphatic heteroaryl salt, trichloromelamine, and at least two ammonium salts comprising an aliphatic benzylalkyl ammonium salt, dialiph. dialkyl ammonium salt, or a tetraalkyl ammonium salt.

L5 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:162197 CAPLUS

DOCUMENT NUMBER: 140:204147

TITLE: Process for treating animal habitats

INVENTOR(S): Schneider, David J.

PATENT ASSIGNEE(S): H. & S. Chemical Company, Inc., USA

SOURCE: U.S. Pat. Appl. Publ., 5 pp., Cont.-in-part of U.S. Ser. No. 909,707.
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040037800	A1	20040226	US 2003-648993	20030827
US 6616892	B2	20030909	US 2001-909707	20010720

PRIORITY APPLN. INFO.: US 2001-909707 A2 20010720

AB This invention deals with a process for treating and sanitizing animal habitats. In addition to sanitizing the habitat the production of ammonia and odor from fecal matter and urine is inhibited or terminated. In the process an animal habitat is cleaned and subsequently treated with trichloromelamine (TCM). The TCM may be applied by spraying the habitat with a solution of TCM, by dusting the habitat with powdered TCM or by treating bedding/litter with TCM. This process produces healthier animals and as such the productivity of a given grow out is

increased. The process of this invention is particularly suited to animal habitats which are used to raise batches of hogs, cattle, turkeys and chickens on a continuing basis. The process of this invention further reduces the bacteria count of the animal habitat.

L5 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2002:466521 CAPLUS
DOCUMENT NUMBER: 137:51561
TITLE: Process for treating animal habitats with
deodorization
INVENTOR(S): Schneider, David J.; Bell, Jerry K.
PATENT ASSIGNEE(S): H & S Chemical Co., Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 8 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
US 20020076348	A1	20020620	US 2001-974159	20011009
US 6749804	B2	20040615		

PRIORITY APPLN. INFO.: US 2000-243798P P 20001030

AB This invention deals with a process for treating and sanitizing animal habitats. In addition to sanitizing the habitat the production of NH3 and odor from fecal matter and urine is inhibited or terminated. In the process an animal habitat is cleaned and subsequently treated with trichloromelamine (TCM). The TCM may be applied by spraying the habitat with a solution of TCM, by dusting the habitat with powdered TCM or by treating bedding /litter with TCM. This process produces healthier animals and as such the productivity of a given grow out is increased. The process of this invention is particularly suited to animal habitats which are used to raise batches of hogs, cattle, turkeys and chickens on a continuing basis. The TCM may be further incorporated into H2O soluble polymeric compns. which permit the TCM to be leached out in a controlled manner. Further the TCM may be incorporated into cellular and noncellular polymeric compns. which may be used as bedding/litter material, and cat litter.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 16:34:04 ON 27 MAR 2009)

FILE 'REGISTRY' ENTERED AT 16:34:19 ON 27 MAR 2009
E "TRICHLOROMELAMINE"/CN 25

L1 1 S E3

FILE 'MEDLINE, CAPLUS, WPIDS' ENTERED AT 16:35:00 ON 27 MAR 2009

L2 135 S L1
L3 0 S L2 AND ANIMAL(S)HOUS?
L4 0 S L2 AND ANIMAL(S)HOUSING
L5 5 S L2 AND (BEDDING OR LITTER)

=> s l2 and disinfect?

L6 31 L2 AND DISINFECT?

=> s l6 and (prd<20010720 or pd<20010720)
'20010720' NOT A VALID FIELD CODE

1 FILES SEARCHED...
L7 13 L6 AND (PRD<20010720 OR PD<20010720)

=> d 17 1-13 ibib, abs

L7 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:34276 CAPLUS
DOCUMENT NUMBER: 144:114474
TITLE: Complete inactivation of infectious proteins
INVENTOR(S): Prusiner, Stanley B.
PATENT ASSIGNEE(S): The Regents of the University of California, USA
SOURCE: U.S. Pat. Appl. Publ., 23 pp., Cont.-in-part of U.S.
Ser. No. 735,454.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 14
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 20060008494	A1	20060112	US 2005-157488	20050620 <--
US 5891641	A	19990406	US 1997-804536	19970221 <--
EP 1416281	A2	20040506	EP 2004-945	19980220 <--
EP 1416281	A3	20040519		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
US 6221614	B1	20010424	US 1999-235372	19990120 <--
US 6214366	B1	20010410	US 1999-322903	19990601 <--
US 6419916	B1	20020716	US 1999-406972	19990928 <--
US 6331296	B1	20011218	US 1999-447456	19991122 <--
US 6322802	B1	20011127	US 2000-494814	20000131 <--
US 20010001061	A1	20010510	US 2000-731419	20001205 <--
AU 764888	B2	20030904	AU 2001-16671	20010125 <--
US 20020041859	A1	20020411	US 2001-904178	20010711 <--
US 6719988	B2	20040413		
US 20030004312	A1	20030102	US 2002-56222	20020122 <--
US 6720355	B2	20040413		
US 20040127559	A1	20040701	US 2003-735454	20031212 <--
US 7226609	B2	20070605		
PRIORITY APPLN. INFO.:			US 1997-804536	A2 19970221 <--
			US 1998-26957	B2 19980220 <--
			US 1998-151057	B2 19980910 <--
			US 1999-235372	A2 19990120 <--
			US 1999-322903	A2 19990601 <--
			US 1999-406972	A2 19990928 <--
			US 1999-447456	A2 19991122 <--
			US 2000-494814	A2 20000131 <--
			US 2000-699284	B2 20001026 <--
			US 2001-904178	A2 20010711 <--
			US 2002-56222	A1 20020122
			US 2003-735454	A2 20031212
			US 2004-581921P	P 20040621
			US 2004-618115P	P 20041012
			AU 1998-61688	A3 19980220 <--
			EP 1998-906471	A3 19980220 <--

AB A formulation comprises an aqueous or alc. solvent having therein (1) a detergent such as SDS; (2) a weak acid such as acetic acid; and (3) a chemical modification reagent such as hydrogen peroxide. The formulation can be modified to substitute other detergents for the SDS, other acids for the acetic acid and other oxidants for the peroxide provided the substitute results in a total formulation which completely inactivates the

infectivity of infectious proteins such as prions in a relatively short period of time (e.g. <2 h) and under relatively mild temps. (e.g., ≤60°).

L7 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2000:854397 CAPLUS
DOCUMENT NUMBER: 133:364039
TITLE: Biodegradable antibacterial cleaning compositions for air conditioners
INVENTOR(S): He, Xuemin; Ning, Ling; Wang, Chuanhao
PATENT ASSIGNEE(S): Shanghai Jiahua Associated Co., Ltd., Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 14 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
CN 1248616	A	20000329	CN 1999-116918	19990927 <--
CN 1077914	C	20020116		

PRIORITY APPLN. INFO.: CN 1999-116918 19990927 <--

AB The cleaning composition comprises (A) 100 parts mixture of 0.01-15% surfactant containing ≥1 sodium dodecylbenzenesulfonate, sodium alc. ether sulfate, metal salts of SO3--, SO4-- COO--containing surfactant, poly(ethylene glycol) alkyl ether, and poly(ethylene glycol) nonylphenol ether, 0.025-90% disinfectant containing ≥1 aldehydes, alcs., Cl-containing compds., and chlorhexidines., 5-90% solvent, and balanced water, and (B) 10-70 parts aerosol spray agents such as LPG gas. Thus, 8 parts mixture of poly(ethylene glycol) nonylphenol ether 1, H2O 38.2, isopropanol 60, trichlorodihydroxydiphenyl ether 0.5 and perfume 0.3 kg was mixed with 2 parts LPG to give a detergent showing good detergency and antibacterial properties.

L7 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2000:401742 CAPLUS
DOCUMENT NUMBER: 133:22123
TITLE: Solid water treatment composition and methods of preparation and use
INVENTOR(S): Rakestraw, Lawrence F.
PATENT ASSIGNEE(S): Stellar Technology Company, USA
SOURCE: PCT Int. Appl., 52 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2000034186	A1	20000615	WO 1999-US27861	19991123 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6447722	B1	20020910	US 1998-205168	19981204
CA 2353478	A1	20000615	CA 1999-2353478	19991123 <--

PRIORITY APPLN. INFO.: US 1998-205168 A 19981204 <--
WO 1999-US27861 W 19991123 <--

AB The present invention relates generally to novel water treatment compns. and methods of preparation and use. More particularly, the invention relates to solid water treatment compns. containing at least one halogen source and at least one amine compound. Methods of preparing solid water treatment compns. and methods for controlling biofouling, disinfecting, cleaning and water systems are also provided.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1997:650222 CAPLUS
DOCUMENT NUMBER: 127:298121
ORIGINAL REFERENCE NO.: 127:58171a,58174a
TITLE: Medical waste solidifier and microbicidal compositions
INVENTOR(S): Lewandowski, Jan J.
PATENT ASSIGNEE(S): Viatro, Corp., USA; Lewandowski, Jan J.
SOURCE: PCT Int. Appl., 9 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9734476	A1	19970925	WO 1997-US4243	19970320 <--
W: AU, BR, CA, JP, MX, SG, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9722151	A	19971010	AU 1997-22151	19970320 <--
PRIORITY APPLN. INFO.:			US 1996-13987P	P 19960322 <--
			WO 1997-US4243	W 19970320 <--

AB A waste solidifier and disinfecting compns. are disclosed to solidify liquid medical waste and to reduce the number of infectious organisms. The compns. comprise a solidifying agent, a microbicidal agent and may include an agent to enhance the release of bioactive elements into the medical waste material. When applied to liquid medical waste, the solidifying agent solidifies the waste while the microbicidal agent simultaneously reduces the number of infectious organisms within same.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1996:315656 CAPLUS
DOCUMENT NUMBER: 124:352181
ORIGINAL REFERENCE NO.: 124:65217a,65220a
TITLE: Disinfection of swimming pool waters with chlorine and excess chlorine removal by hydrogen peroxide
PATENT ASSIGNEE(S): Dipl.Ing. Thonhauser Ges.m.b.H., Austria
SOURCE: Austrian, 3 pp.
CODEN: AUXXAK
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
AT 400707	B	19960325	AT 1994-79	19940117 <--
PRIORITY APPLN. INFO.:			AT 1994-79	19940117 <--

AB Swimming pool waters are disinfected by first filtering to remove coarse solids and then treating at 7.1-7.3 with a chlorine source to an active chlorine concentration of .apprx.3 ppm and finally removing the excess chlorine with hydrogen peroxide. Suitable chlorine sources include sodium hypochlorite, calcium hypochlorite, chlorinated trisodium phosphate, chlorine dioxide, sodium-p-toluenesulfochloramide, p-toluenesulfone-sulfochloramide, N-chlorosuccinimide, 1,3-dichloro-5,5-dimethylhydantoin, trichloro-isocyanuric acid and its salts, dichloro-isocyanuric acid and its salts, trichloromelamine,, or dichloroglycoluril.

L7 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1995:746112 CAPLUS
DOCUMENT NUMBER: 123:116318
ORIGINAL REFERENCE NO.: 123:20665a,20668a
TITLE: Controlled release of halogen-containing sanitizing agent from lavatory cleaning block
INVENTOR(S): Dolan, Richard; Riccobono, Paul
PATENT ASSIGNEE(S): Block Drug Co., Inc., USA
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 9426863	A1	19941124	WO 1994-US5183	19940510 <--
W: AU, BR, CA, JP, KR, NZ				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5578559	A	19961126	US 1993-62118	19930514 <--
CA 2161411	A1	19941124	CA 1994-2161411	19940510 <--
CA 2161411	C	20000418		
AU 9467866	A	19941212	AU 1994-67866	19940510 <--
AU 692158	B2	19980604		
BR 9406703	A	19960227	BR 1994-6703	19940510 <--
EP 698080	A1	19960228	EP 1994-916065	19940510 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
PRIORITY APPLN. INFO.:			US 1993-62118	A 19930514 <--
			WO 1994-US5183	W 19940510 <--

AB A toilet cleaning block comprising 50-80% halogen-containing sanitizing agent (e.g., 1,3-dichloro-5,5-dimethylhydantoin), 20-40% bulking agent [e.g., Al(OH)3], and 1-20% dissoln. rate regulator (e.g., NaCl) releases the sanitizing agent at a substantially constant rate during use (e.g., for .apprx.120 days) and dissolves completely.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1994:25200 CAPLUS
DOCUMENT NUMBER: 120:25200
ORIGINAL REFERENCE NO.: 120:4633a,4636a
TITLE: Trichloromelamine 14-day range finding and 90-day subchronic studies in rats. 3 August 1988-17 January 1989. Phase 2
AUTHOR(S): Michie, M.; Angerhofer, R. A.
CORPORATE SOURCE: Army Environ. Hyg. Agency, Aberdeen Proving Ground, MD, USA
SOURCE: Report (1992), Order No. AD-A259102, 73 pp.
Avail.: NTIS
From: Gov. Rep. Announce. Index (U. S.) 1993, 93(8),

Abstr. No. 323,518

DOCUMENT TYPE: Report
LANGUAGE: English

AB The subchronic study examined the toxicity of the food service disinfectant trichloromelamine (TCM) in rats following oral administration-for 90 days. Associated with the administration of TCM in rats were lesions in the stomach and trachea, while also causing engorgement of the small blood vessels of the adrenals, brain, kidneys, liver, lung and pituitary. The no observed adverse effect level in the 90-day study was 30 mg/kg/day. Trichloromelamine should be considered moderately, toxic when ingested acutely, and continuous ingestion could cause serious health effects.

L7 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1990:442831 CAPLUS
DOCUMENT NUMBER: 113:42831
ORIGINAL REFERENCE NO.: 113:7277a,7280a
TITLE: A disinfecting or bleaching tissue containing chlorine bleach
INVENTOR(S): Fellows, Adrian Neville
PATENT ASSIGNEE(S): Fibre Treatments (Holding) Ltd., UK
SOURCE: PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 9002166	A1	19900308	WO 1989-GB932	19890814 <--
W: AU, JP, US				
RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
AU 8940673	A	19900323	AU 1989-40673	19890814 <--
EP 431002	A1	19910612	EP 1989-909416	19890814 <--
EP 431002	B1	19940302		
R: BE, CH, DE, FR, GB, IT, LI, NL, SE				
JP 04501125	T	19920227	JP 1989-508863	19890814 <--
JP 2633046	B2	19970723		
CA 1337390	C	19951024	CA 1989-608245	19890814 <--
ZA 8906290	A	19900530	ZA 1989-6290	19890817 <--
PRIORITY APPLN. INFO.:			GB 1988-19969	A 19880823 <--
			WO 1989-GB932	A 19890814 <--

AB The title tissue, useful for disinfecting hard surfaces, instruments, skin, etc., or for inclusion in a washing process for disinfection or bleaching, is prepared by bonding 2 substrate layers together with a polymeric adhesive (e.g., EVA hot-melt adhesive) which contains particles of Cl bleach, especially Na dichloroisocyanurate dihydrate, and releases Cl when dampened with water.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1989:59960 CAPLUS
DOCUMENT NUMBER: 110:59960
ORIGINAL REFERENCE NO.: 110:9907a,9910a
TITLE: Fabric washing and disinfecting powder, especially for use at low temperatures
INVENTOR(S): Borowicki, Jerzy Krzysztof; Wogtman, Wanda; Bukowski, Kazimierz Stanislaw; Wojcik, Elzbieta
PATENT ASSIGNEE(S): Instytut Chemii Przemyslowej, Pol.
SOURCE: Pol., 7 pp.

CODEN: POXXA7
DOCUMENT TYPE: Patent
LANGUAGE: Polish
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PL 132124	B1	19850228	PL 1981-229358	19810123 <--
PRIORITY APPLN. INFO.:			PL 1981-229358	19810123 <--

AB Powdered laundry detergents having antibacterial activity contain anionic surfactants, alkali metal or amine salts of mono- and diesters of H₃PO₄, ethoxylated fatty alcs., Na₅SO₁₀, NaHCO₃, and active Cl-containing compds. such as hexachloromelamine (I), 1,3-dichloro-5,5-dimethylhydantoin, trichloroisocyanuric acid, or Na dichloroisocyanurate. A detergent contained 3:1 Na alkyl sulfate-Na dodecylbenzenesulfonate mixture 16.32, 2:3 ethoxylated lauryl alc.-ethanolamine mono- and diesters of H₃PO₄ 1.57, silicone oil 0.48, Na₅P₃O₁₀ 33.6, Na₂SiO₃ 7.68, NaHCO₃ 29.18, CM-cellulose 2.42, and I 5.76%, the balance being water.

L7 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1988:209917 CAPLUS
DOCUMENT NUMBER: 108:209917
ORIGINAL REFERENCE NO.: 108:34407a,34410a
TITLE: Disinfection of barometric waters using synthetic bactericidal formulations
AUTHOR(S): Polec, Bozenna; Wolski, Tomasz
CORPORATE SOURCE: Pol.
SOURCE: Gazeta Cukrownicza (1987), 95(11-12), 207-9
CODEN: GACUA2; ISSN: 0016-5395
DOCUMENT TYPE: Journal
LANGUAGE: Polish

AB Tests of disinfectant preps. used to prevent biofouling in the cooling apparatus for evaporation condensate showed that the prepare containing 15 weight% of Na salt of benzenesulfonic acid N-chloramide had the highest bactericidal activity. The EDs are 100 g/m³-h for single application, and 20 g/m³ for continuous dosing.

L7 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1984:505284 CAPLUS
DOCUMENT NUMBER: 101:105284
ORIGINAL REFERENCE NO.: 101:15981a,15984a
TITLE: Preliminary assessment of the relative toxicity of candidate disinfectant, food service (chlorine-iodine type), NSN 6840-00-810-6396 and trichloromelamine
AUTHOR(S): Weeks, M. H.; Weyandt, T. B.
CORPORATE SOURCE: Army Environ. Hyg. Agency, Aberdeen Proving Ground, MD, USA
SOURCE: Report (1984), USAEHA-75-51-0195-84; Order No. AD-A137631, 53 pp. Avail.: NTIS
From: Gov. Rep. Announce. Index (U. S.) 1984, 84(10), 63
DOCUMENT TYPE: Report
LANGUAGE: English

AB The toxicity of the candidate disinfectant, food service (Cl-I type) NSN 6840-00-810-6396 and trichloromelamine [7673-09-8] was studied by acute oral and dermal application to rats, rabbits, and guinea pigs. The proposed use of solns. of the complete disinfectant mixture were nonirritating to skin or eyes and did not pose a health hazard risk from acute dermal or oral exposures. The

complete dry mixture was corrosive to the skin and eyes and relatively toxic in concentrated solns. by oral and dermal routes. Washing of the eyes reduced the corrosive effects of the disinfectant.

L7 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1984:91447 CAPLUS
DOCUMENT NUMBER: 100:91447
ORIGINAL REFERENCE NO.: 100:13791a,13794a
TITLE: Disinfecting with chlorine-containing
biocide dispensed from shaped polymeric body
INVENTOR(S): Theeuwes, Felix
PATENT ASSIGNEE(S): Alza Corp., USA
SOURCE: U.S., 8 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 4418038	A	19831129	US 1981-317528	19811102 <--
US 4728498	A	19880301	US 1982-438049	19821101 <--
PRIORITY APPLN. INFO.:			US 1981-317528	A3 19811102 <--

AB A device for dispensing a biocide containing Cl, useful for disinfecting an environment or an article of commerce, comprises a polymer containing a Cl-donating reagent and a Cl-accepting reagent that on their release from the polymer reacts in the presence of moisture to produce a chlorinous biocide. The dispensing device consists essentially of a body shaped, sized, and adapted for placement in an environment of use. The device has ≥ 1 surface for releasing its contents and can have any preselected geometric shape. The device can be made from commonly used (erodible) polymers. The Cl-donating compds. are such as N-chlorosuccinimide [128-09-6], N-chlorourea [3135-74-8], N-chloroacetylurea [4791-21-3], etc., and Cl-accepting reagents include NH_4Cl , $(\text{NH}_4)_2\text{SO}_4$, sulfamic acid, EtNH_2 , morpholine, etc.

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1960:58599 CAPLUS
DOCUMENT NUMBER: 54:58599
ORIGINAL REFERENCE NO.: 54:11383c-f
TITLE: Chloromelamine and iodized chloromelamine germicidal
rinse formulations. Essential physical and chemical
characteristics and germicidal efficiencies
AUTHOR(S): Chang, Shih L.; Berg, Gerald
CORPORATE SOURCE: U.S. Public Health Serv., Cincinnati, O.
SOURCE: United States Armed Forces Medical Journal (1959), 10, 33-49
CODEN: XAFJAZ; ISSN: 0566-0777
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

AB Trichloromelamine (TCM) formulations were made up containing 21.5-27.5% by weight

TCM, 11.5-12.5 Na dodecylbenzenesulfonate, 51-55 anhydrous citric acid, the remainder anhydrous NaH_2PO_4 . They were poor in bactericidal, cysticidal, and viricidal activity. When 0.019% KI was used in 0.1% solution of TCM composition (200-250 p.p.m. titrable Cl) in the presence of 300 p.p.m. bicarbonate alkalinity and 0.2% peptone, 99.999% destruction of *Escherichia coli* and an estimated 99.998% destruction of *Endamoeba histolytica* was obtained in 15 sec.

at 5, 25, and 45°. In the case of coxsackie B1 virus, however, 15-sec. destruction was 30% at 5° and below 99% at 25°. Bactericidal data were less consistent when KI was reduced to 0.017%. When titrable C1 was increased to 250 p.p.m. and KI to 0.039%, viricidal action improved. This appears to be the upper limit of C1 and KI for use as germicidal TCM rinse for military purposes. A more powerful disinfectant than I2 in these compns. lowers their stability. The greatest destruction with I2 in the rinses against coxsackie B1 virus was 99.99% at 25° in the absence of peptone. A 10-min. soaking of vegetables and fruits with the upper limit rinse above should provide a wide margin of safety.

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(FILE 'HOME' ENTERED AT 16:34:04 ON 27 MAR 2009)

FILE 'REGISTRY' ENTERED AT 16:34:19 ON 27 MAR 2009
E "TRICHLOROMELAMINE"/CN 25

L1 1 S E3

FILE 'MEDLINE, CAPLUS, WPIDS' ENTERED AT 16:35:00 ON 27 MAR 2009

L2 135 S L1
L3 0 S L2 AND ANIMAL(S)HOUS?
L4 0 S L2 AND ANIMAL(S)HOUSING
L5 5 S L2 AND (BEDDING OR LITTER)
L6 31 S L2 AND DISINFECT?
L7 13 S L6 AND (PRD<20010720 OR PD<20010720)

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---Logging off of STN---

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Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
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FULL ESTIMATED COST	94.79	102.89
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-14.76	-14.76

STN INTERNATIONAL LOGOFF AT 16:40:52 ON 27 MAR 2009